

CSW

Notice of Allowability	Application No.	Applicant(s)	
	09/147,574	FRANCOEUR ET AL.	
	Examiner	Art Unit	
	Gary L. Laxton	2838	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 01/03/05.
2. ☒ The allowed claim(s) is/are 1-4 and 14-41.
3. ☒ The drawings filed on 22 January 1999 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

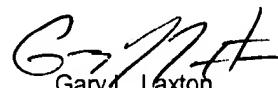
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|--|

 1/21/05
 Gary L. Laxton
 Patent Examiner
 Art Unit: 2838

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement filed 01/03/05 fails to comply with 37 CFR 1.97(d) because it lacks a statement as specified in 37 CFR 1.97(e). It has been placed in the application file, but the information referred to therein has not been considered.

Allowable Subject Matter

2. Claims 1-4 and 14-41 are allowed.
3. The following is an examiner's statement of reasons for allowance:
Claims 1-4 and 16-41; prior art fails to disclose or suggest, inter alia, a low stray interconnection inductance power converting module comprising two DC voltage terminals for receiving DC voltage; an AC voltage terminal for delivering AC voltage; a half-bridge including a pair of power switching elements connected as a series totem pole between the DC voltage terminals via the AC voltage terminal; and a decoupling means, for decoupling the half- bridge, comprising a series of at least two adjacent superimposed electrode plates separated by a dielectric material, each of the adjacent electrode plates being connected to a different one of the DC terminals, the low stray interconnection inductance power converting module being characterized in that: at least two adjacent superimposed electrodes plates extend proximately in overlapping relation with the half bridge; and the electrode plates form with the two power

Art Unit: 2838

switching elements, the DC terminals and the AC terminal a reduced cross section belt-like closed loop conductive path.

Claims 14 and 15; prior art fails to disclose or suggest, inter alia, a method for converting a DC voltage into an AC voltage, comprising the steps of applying the DC voltage on two DC voltage terminals between which a half-bridge is connected, the half-bridge including a pair of power switching elements connected as a series totem pole between the DC voltage terminals via an A.C voltage terminal; decoupling the half-bridge by means of a decoupling means comprising a series of at least two adjacent superimposed electrode plates separated by a dielectric material, each of the adjacent electrode plates being connected to a different one of the DC terminals; and delivering the AC voltage by means of the AC voltage terminal, the method being characterized in that the step of decoupling comprises steps of: extending the at least two adjacent superimposed electrode plates proximately in overlapping relation with the half bridge; and forming a reduced cross section belt-like closed loop conductive path with the electrode plates, the two power switching elements, the DC terminals and the AC terminal.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2838

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gary L. Laxton whose telephone number is (571) 272-2079. The examiner can normally be reached on Monday thru Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on (571) 272-2084. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

 1/21/05
Gary L. Laxton
Patent Examiner
Art Unit 2838